



PTO/SB/21 (05-03)

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(to be used for all correspondence after initial filing)

		Application Number	10/829,318
		Filing Date	April 21, 2004
		First Named Inventor	Charles L. Butland
		Art Unit	
		Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	

**ENCLOSURES (Check all that apply)**

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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		
Form 1449a Cited references		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Jerry K. Mueller, Jr. Mueller and Smith, LPA
Signature	
Date	April 29, 2004

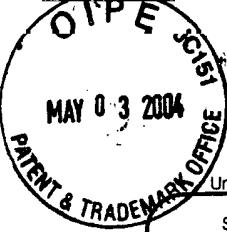
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Substitute for form 1449/PTC

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary.)*

Sheet 1 of 1

**Complete if Known**

Application Number	10/829,318
Filing Date	April 21, 2004
First Named Inventor	Charles L. Butland
Art Unit	
Examiner Name	
Attorney Docket Number	BTO 2-014

**U. S. PATENT DOCUMENTS**

**FOREIGN PATENT DOCUMENT**

Examiner Signature		Date Considered	
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<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>7</sup>Applicant is to place a check mark here if English language Translation is attached.

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# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Charles L. Butland  
 Serial No. : 10/829,318  
 Filed: April 21, 2004  
 For: Kit For Labeling Valuables For Their Identification And  
 Method Therefor  
 TC/AU : Unknown  
 Attorney Docket No. : BTO 2-014

HONORABLE COMMISSIONER FOR PATENTS  
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## INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is filed in conformity with 37 C.F.R. §§ 1.56, 1.97 and 1.98. Accordingly, copies of the art cited herein are provided:

Document	Date	Name
U.S. Patent No. 5,599,578	February 4, 1997	Charles L. Butland
U.S. Patent No. 6,030,657	February 29, 2000	Charles L. Butland
U.S. Patent No. 6,536,672	March 25, 2003	Chris Outwater, et al.
U.S. Patent No. 6,354,501	March 12, 2002	Chris Outwater, et al.
U.S. Patent No. 6,203,069	March 20, 2001	Chris Outwater, et al.
U.S. Patent No. 6,274,873	August 14, 2001	Chris Outwater, et al.

## REMARKS

U.S. Patent No. 5,599,578 discloses a technique for labeling objects for their identification and/or authentication involving the use of a combination of a mark visible to the naked eye and a mark invisible to the naked eye. The invisible mark or component of the system is one or more of an ultraviolet radiation (UV) dye, an infrared (IR) dye, an ink that displays a selected measurable electrical resistivity, or a biologic marker which may be a protein, amino acid, DNA, polypeptide, hormone, or antibody.

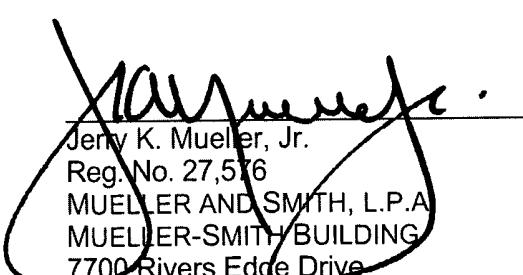
U.S. Patent No. 6,030,657 is directed to a method for labeling an object for its identification. This method includes providing a biologic marker labeled with an agent that emits selected detectable wavelengths of energy when exposed to infrared radiation (IR), and

associating the labeled marker with the object, whereby, the object to be identified can be exposed to IR and emitted select wavelengths of energy from said agent detected. The agent can be an upconverting phosphor, a lanthenide ion (bound to a naphthalene group), or other chemical that emits selected detectable wavelengths of energy when exposed to infrared radiation (IR). The materials are encapsulated in an encapsulant that is resistant to the environment in which the materials are used such as, for example, an ink formulation. However, the encapsulant can be opened (e.g., by selective dissolving) and the materials inside (e.g., biologic, IR emitting, etc.) determined. A presently preferred encapsulant is casein which has been self cross-linked to provide resistance to hydrophobic ink formulations in which it desirably is placed.

U.S. Patents Nos. 6,536,672, 6,354,501, and 6,203,069, propose combinations of R phosphors and UV sensitizers for use along with bar codes to label products for identification and authentication. A spectrum analyzer therefor is disclosed in U.S. Patent No. 6,274,873.

It respectfully is submitted that none of the foregoing art, alone or in combination, shows or proposes the present invention. Accordingly, favorable action on the application respectfully is requested.

Respectfully submitted,

  
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Jane Keeney